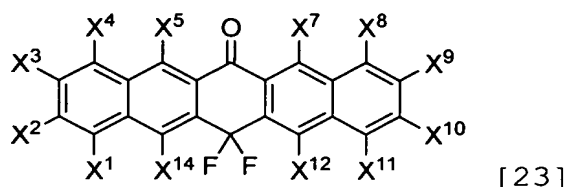


Amendments to the Specification:

Please amend the paragraph beginning at page 12,  
line 19, as follows:

[20] A method of producing a compound represented by  
formula [23]

[0022] [Formula 16]



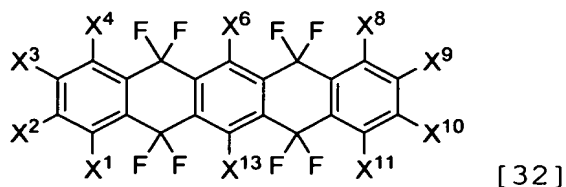
(wherein  $X^1$ ,  $X^2$ ,  $X^3$ ,  $X^4$ ,  $X^5$ ,  $X^7$ ,  $X^8$ ,  $X^9$ ,  $X^{10}$ ,  $X^{11}$ ,  $X^{12}$ , and  $X^{14}$  are  
defined as for formula [21]), comprising the step of

producing a compound represented by formula [23] by  
reacting a compound represented by formula [21] with a  
~~fluorinating~~ reducing agent.

Please amend the paragraph beginning at page 13,  
line 25, as follows:

[27] A method of producing a compound represented by  
formula [32]

[0024] [Formula 18]

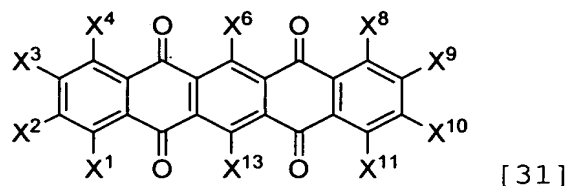


(wherein  $X^1$ ,  $X^2$ ,  $X^3$ ,  $X^4$ ,  $X^6$ ,  $X^8$ ,  $X^9$ ,  $X^{10}$ ,  $X^{11}$ , and  $X^{13}$  are defined

as for formula [31]), comprising the ~~method~~ step of

producing a compound represented by formula [32] by  
reacting a compound represented by formula [31]

[0023] [Formula 17]

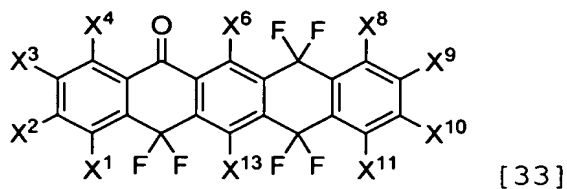


(wherein  $X^1$ ,  $X^2$ ,  $X^3$ ,  $X^4$ ,  $X^6$ ,  $X^8$ ,  $X^9$ ,  $X^{10}$ ,  $X^{11}$ , and  $X^{13}$  represent fluorine, hydrogen, a substituted or unsubstituted  $C_{1-8}$  alkyl group, a substituted or unsubstituted phenyl group, a substituted or unsubstituted naphthyl group, a substituted or unsubstituted anthracenyl group, a substituted or unsubstituted naphthacenyl group, or a substituted or unsubstituted pentacenyl group, and may be the same or different; or  $X^2$  is bonded to  $X^3$  to form a monocyclic or condensed polycyclic hydrocarbon group and/or  $X^9$  is bonded to  $X^{10}$  to form a monocyclic or condensed polycyclic hydrocarbon group) with a fluorinating agent.

Please amend the paragraph beginning at page 14,  
line 21, as follows:

[28] A method of producing a compound represented by  
formula [33]

[0025] [Formula 19]



(wherein X<sup>1</sup>, X<sup>2</sup>, X<sup>3</sup>, X<sup>4</sup>, X<sup>6</sup>, X<sup>8</sup>, X<sup>9</sup>, X<sup>10</sup>, X<sup>11</sup>, and X<sup>13</sup> are defined as for formula [31]), comprising the ~~method~~ step of

producing a compound represented by formula [33] by reacting a compound represented by formula [31] with a fluorinating agent.

Please amend the paragraph beginning at page 15, line 8, as follows:

[29] A method of producing a compound represented by formula [32], comprising the ~~method~~ step of

producing a compound represented by formula [32] by reacting a compound represented by formula [33] with a fluorinating agent.

Please amend the paragraph beginning at page 15, line 16, as follows:

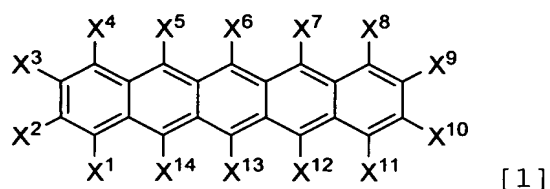
[31] A method of producing a compound represented by formula [4], comprising the ~~method~~ step of

producing a compound represented by formula [4] by reacting a compound represented by formula [32] with a reducing agent.

Please amend the paragraph beginning at page 16,  
line 27, as follows:

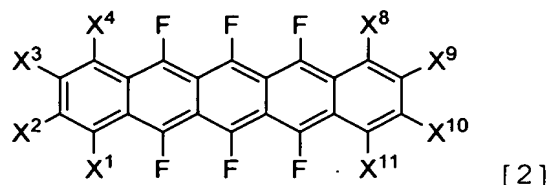
[0028] Fluorinated pentacene derivatives synthesized by the  
present invention are compounds represented by formula [1]

[0029] [Formula 20]



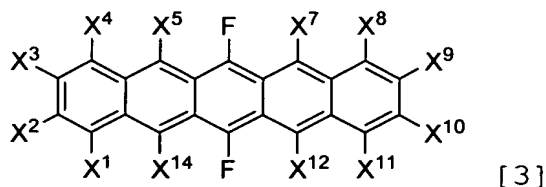
(wherein X<sup>1</sup>, X<sup>2</sup>, X<sup>3</sup>, X<sup>4</sup>, X<sup>5</sup>, X<sup>6</sup>, X<sup>7</sup>, X<sup>8</sup>, X<sup>9</sup>, X<sup>10</sup>, X<sup>11</sup>, X<sup>12</sup>, X<sup>13</sup>, and X<sup>14</sup> represent fluorine, hydrogen, a substituted or unsubstituted C<sub>1-8</sub> alkyl group, a substituted or unsubstituted phenyl group, a substituted or unsubstituted naphthyl group, a substituted or unsubstituted anthracenyl group, a substituted or unsubstituted naphthacenyl group, or a substituted or unsubstituted pentacenyl group, and may be the same or different; or X<sup>2</sup> is bonded to X<sup>3</sup> to form a monocyclic or condensed polycyclic hydrocarbon group and/or X<sup>9</sup> is bonded to X<sup>10</sup> to form a monocyclic or condensed polycyclic hydrocarbon group) wherein the groups in at least one pair selected from the group consisting of the pair X<sup>5</sup> and X<sup>14</sup>, the pair X<sup>6</sup> and X<sup>13</sup>, and the pair X<sup>7</sup> and X<sup>12</sup> are both fluorine. Compounds with formula [1] encompass compounds with formula [2]

[0030] [Formula 21]



(wherein X<sup>1</sup>, X<sup>2</sup>, X<sup>3</sup>, X<sup>4</sup>, X<sup>8</sup>, X<sup>9</sup>, X<sup>10</sup>, and X<sup>11</sup>, ~~X<sup>12</sup>~~, and ~~X<sup>14</sup>~~ represent fluorine, hydrogen, a substituted or unsubstituted C<sub>1-8</sub> alkyl group, a substituted or unsubstituted phenyl group, a substituted or unsubstituted naphthyl group, a substituted or unsubstituted anthracenyl group, a substituted or unsubstituted naphthacenyl group, or a substituted or unsubstituted pentacenyl group, and may be the same or different; or X<sup>2</sup> is bonded to X<sup>3</sup> to form a monocyclic or condensed polycyclic hydrocarbon group and/or X<sup>9</sup> is bonded to X<sup>10</sup> to form a monocyclic or condensed polycyclic hydrocarbon group); compounds with formula [3]

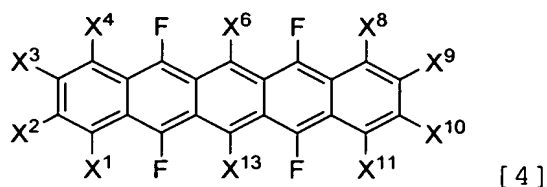
[0031] [Formula 22]



(wherein X<sup>1</sup>, X<sup>2</sup>, X<sup>3</sup>, X<sup>4</sup>, X<sup>5</sup>, X<sup>7</sup>, X<sup>8</sup>, X<sup>9</sup>, X<sup>10</sup>, X<sup>11</sup>, X<sup>12</sup>, and X<sup>14</sup> represent fluorine, hydrogen, a substituted or unsubstituted C<sub>1-8</sub> alkyl group, a substituted or unsubstituted phenyl group, a substituted or unsubstituted naphthyl group, a substituted

or unsubstituted anthracenyl group, a substituted or unsubstituted naphthacenyl group, or a substituted or unsubstituted pentacenyl group, and may be the same or different; or  $X^2$  is bonded to  $X^3$  to form a monocyclic or condensed polycyclic hydrocarbon group and/or  $X^9$  is bonded to  $X^{10}$  to form a monocyclic or condensed polycyclic hydrocarbon group); and formula [4]

[0032] [Formula 23]



(wherein  $X^1$ ,  $X^2$ ,  $X^3$ ,  $X^4$ ,  $X^6$ ,  $X^8$ ,  $X^9$ ,  $X^{10}$ ,  $X^{11}$ , and  $X^{13}$  represent fluorine, hydrogen, a substituted or unsubstituted  $C_{1-8}$  alkyl group, a substituted or unsubstituted phenyl group, a substituted or unsubstituted naphthyl group, a substituted or unsubstituted anthracenyl group, a substituted or unsubstituted naphthacenyl group, or a substituted or unsubstituted pentacenyl group, and may be the same or different; or  $X^2$  is bonded to  $X^3$  to form a monocyclic or condensed polycyclic hydrocarbon group and/or  $X^9$  is bonded to  $X^{10}$  to form a monocyclic or condensed polycyclic hydrocarbon group).

Please amend the paragraph beginning at page 21,  
line 1, as follows:

[0037] The substituted anthranyl groups encompass  
~~fluoronaphthyl~~ fluoroanthranyl groups. Here, fluoroanthranyl  
denotes a group in which at least one of the hydrogen atoms in  
the anthranyl group is replaced by the fluorine atom, and  
further substitution by other substituents may be present.  
The fluoroanthranyl group encompasses the nonafluoroanthranyl  
group.

Please amend the paragraph beginning at page 21,  
line 8, as follows:

[0038] The substituted naphthacenyl groups encompass  
fluoronaphthacenyl groups. Here, fluoronaphthacenyl denotes a  
group in which at least one of the hydrogen atoms in the  
naphthacenyl group is replaced by the fluorine atom, and  
further substitution by other substituents may be present.  
The ~~fluoronaphthanyl~~ fluoronaphthacenyl group encompasses the  
undecafluoronaphthacenyl group.

Please amend the paragraph beginning at page 23,  
line 15, as follows:

[0048] The compound with formula-~~{2}~~ [12] is used at 1.0 to  
5.0 equivalents and preferably 1.1 to 2.0 equivalents with

reference to the compound with formula—~~[1]~~ [11]. The reaction temperature is 0 to 320°C and preferably 200 to 300°C. The reaction time is preferably 1 to 10 hours. After the completion of the reaction, the target compound is obtained by execution of the usual work-up and then purification.

Please amend the heading beginning at page 41, line 13, as follows:

Synthesis of 1,2,3,4,5,5,6,6,7,7,8,9,10,11,12,12,13,13,14,14-  
eicosafluoro-5,6,7,12,13,14-hexafluoropentacene  
hexahdropentacene (7)

Please amend the heading beginning at page 42, line 7, as follows:

Synthesis of 1,2,3,4,5,5,6,6,7,7,8,9,10,11,12,12,13,13,14,14-  
eicosafluoro-5,6,7,12,13,14-hexafluoropentacene  
hexahdropentacene (7)